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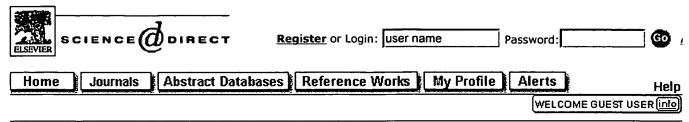
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Kyeong Lee^a, Gnana Ravi^a, Xiao-duo Ji^a, Victor E. Marquez^b and Kenneth A. Jacobson[□], ⋈, a

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Abstract

Novel methanocarba adenosine analogues, having the pseudo-ribose northern (N) conformation preferred at adenosine receptors (ARs), were synthesized and tested in binding assays. The 5'-uronamide modification preserved [N^6 -(3-iodobenzyl)] or enhanced (N^6 -methyl) affinity at A₃ARs, while the 2'-deoxy modification reduced affinity and efficacy in a functional assay.

Graphical Abstract

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